

Title (en)

Liquid crystal orientation controlling membranes and liquid crystal elements using the same.

Title (de)

Membranen zur Kontrolle der Ausrichtung von Flüssigkristallen und sie verwendende flüssigkristalline Elemente.

Title (fr)

Membranes pour contrÔler l'orientation de cristaux liquides et éléments liquido-cristallins les utilisant.

Publication

**EP 0539245 A1 19930428 (EN)**

Application

**EP 92402471 A 19920910**

Priority

JP 27474391 A 19910926

Abstract (en)

A liquid crystal orientation controlling membrane, characterized by the polyimide membrane comprising the repeating unit represented by the formula: <CHEM> wherein Ar<5> represents a diamine moiety which is selected from the group consisting of <CHEM> and <CHEM> and Ar<6> represents tetravalent carbonylic acid moiety which is selected from the group consisting of <CHEM> Another invention is a ferroelectric liquid crystal element or an antiferroelectric liquid crystal element using the polyimide orientation controlling membrane mentioned above. The present liquid crystal element is used to a large picture display with high resolution, a TV picture display with wide viewing angle and a liquid crystal optical shutter. <IMAGE>

IPC 1-7

**C08G 73/10**; **C09K 19/56**; **G02F 1/1337**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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DOCDB simple family (application)

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